

ABSTRACT OF THE DISCLOSURE

In a network system, clock signals of a server device and a client device are synchronized with each other without having any influence of a change and a delay of the transmission time of data.

Therefore, in the network system in which the client device receives and reproduces information transmitted from the server device, the server device counts the number of clock pulses of a server clock signal used to compress and encode information on the basis of a power source synchronous pulse signal synchronized with a power source frequency. The server device outputs information showing the counted clock pulse number and the compressed and encoded information to the client device. The client device counts the number of clock pulses of a client clock signal used to decode and decompress the compressed and encoded information on the basis of the power source synchronous pulse signal synchronized with the power source frequency. The client device conforms the frequency of the client clock signal to the frequency of the server clock signal on the basis of the clock difference between the clock pulse number received from the server device and the counted clock pulse number.